



PROGRAMME SYNOPSIS

Year 1 Semester 1

Course: MPU 3113 Hubungan Etnik

Synopsis:

This course focuses on concepts of culture and ethnic relations, specially emphasises on the latest development in Malaysia. It includes the concepts of ethnic relations, insights of ethnic relations in Malaysia in the aspects of economics, politics, constitutions and religions in Malaysia. It also discuss about the challenges for the enhancement of the ethnic relation and the roles of the government and the society.

Course: BSA 3214 Design Studio 1

Synopsis:

This studio emphasizes on the understanding of fundamental design language and the creative process through the development of appropriate vocabulary, interpretive and abstract thinking based upon visual perception & design elements; and ability to resolve, present and support basic design ideas and to approach and solve problems with confidence. Several of built architectural works and other objects of art will be the point of reference.

Course: BSA 3313 Architectural Graphic

Synopsis:

Exposes the students to a range of techniques and conventions that designers use to communicate architectural ideas. It covers a range of drawing skills and methods (design graphics, freehand sketching, architectural conceptual, multi-view, paraline, and perspective drawings) which preferably utilized to enhance visual communication means in the design process.

Course: BSA 3113 Principles of Design

Synopsis:

An introduction to built environment featuring primary elements, building form, form & space relationships, organization of form & space, circulation of space, proportion & scale, and ordering principles of the space.

Course: BSA 3513 Building Technology 1

Synopsis:

An introduction to construction, with particular emphasis to the use of construction materials and the concepts of structure in construction. Further discussion will focus on the use of wood construction materials and their construction technology.

Year 1 Semester 2

Course: MPU 3123 Tamadun Islam & Tamadun Asia (TITAS)

Synopsis:

This course focuses on concepts of culture and ethnic relations, specially emphasises on the latest development in Malaysia. It includes the concepts of ethnic relations, insights of ethnic relations in Malaysia in the aspects of economics, politics, constitutions and religions in Malaysia. It also discuss about the challenges for the enhancement of the ethnic relation and the roles of the government and the society.

Course: UCS 3312 Green Technology

Synopsis:

This subject explores the green technology with basic knowledge and fundamental green principles in recycling, green home living, green daily life, green buildings, alternative energy, green transportation, green business and green economics.

Course: BSA 3224 Design Studio 2

Synopsis:

This design studio focuses on understanding of relationship between human and space. Single space, single function and single storey will be the basis of study to explore on its measurement, motion and matter using domestic spaces. Introduction to basic organization of spaces to indicate a sense of setting or place will also be highlighted with consideration for scale and proportion.

Course: BSA 3413 History and Theory of Architecture 1

Synopsis:

This subject covers study the architecture history of well-known civilisations including Mesopotamia, Egyptian, Greek, Roman, Christian and Islamic Architecture in East Asia.

Course: BSA 3543 Building Services 1

Synopsis:

This subject covers basic concepts of water supply and sewerage system; including drainage, sanitation, and disposal system. It also includes the basic concepts of electrical supply system, air conditioning system and ventilation in designing a building. Compliance with Uniform Building By-Law (UBBL) is emphasized.

Course: BSA 3613 Environmental Science

Synopsis:

This subject is to provide up-to-date introduction to the most important concepts in the study of environment. It is an interdisciplinary subject which draws on the content of several disciplines to offer a balanced scientific and holistic perspective of environmental issues. It provides knowledge, skills and attitudes to identify and prevent environmental problems for a development.

Year 2 Semester 1

Course: UCS 3122 Professional English: Essential Communication Skills

Synopsis:

This course provides a comprehensive reference guide on technical communication principles, skills and practice in workplace. It explains the principles of effective communication, both written and oral, and provides solid advice and practical guidelines on how to strengthen communication skills and produce good technical and

business writing. It introduces the theory, specimen documents, suggested layouts and explanations that develop skills and understanding.

Course: MPU 3212 Malaysian Economy

Synopsis:

This course provides the student with an overview of the Malaysian economy, the role of the government and its economic interaction with other countries. Various topics will be discussed, including: the government economic policies and activities (primary, secondary and tertiary), Collin Clark's hypothesis of economic development, key growth engines of Malaysian economy towards high income economy (Iskandar, NCER, ECER, SCORE, and SDC), and Economic Transformation Programme (ETP).

Course: UCS3112 Communication in the Workplace

Synopsis:

This course comprises of basic knowledge and skills in workplace communication, providing a fundamental exposure and guide to the various forms of communication in the workplace covering both verbal communications and written communication. These include practice in conveying ideas and opinions, writing proposals and business letters, preparing reports, oral communication and presentation.

Course: BSA 3235 Design Studio 3

Synopsis:

This design studio explores the concepts of purpose and place, public-private interface based upon analysis of precedents and basic contextual appraisal and site exploration. Fundamental principles relating to functions form and space will also be emphasised while addressing design concepts, architectural functions and spatial organization. This studio will focus on single space, single function and double storey with integrated knowledge of basic technical aspects of materials and structure into design learning.

Course: BSA 3523 Building Technology 2

Synopsis:

This subject will expose students to characters, compositions and behaviours of masonry and concrete as construction materials. Emphasis will also be given on the latest construction technology involving these materials.

Course: BSA 3323 Computer Aided Drafting

Synopsis:

Learn the features, commands, and techniques for creating, editing, and printing drawings with AutoCAD. Using hands-on exercises, students explore how to create 2D production drawings.

Course: BSA 3423 History and Theory of Architecture 2

Synopsis:

This subject examines the key movements in 19th and 20th Century architecture which have evoked the expression of built form in the art of architecture. The evolution of critical thought, studied through the milieu of time, in the context of politics, economics, art and technology.

Year 2 Semester 2

Course: UCS 3212 Creativity and Innovation

Synopsis:

This subject explores the creativity and innovation of thinking skills with an exposure of principles of thinking, methods of generating ideas, creativity in problem solving techniques, creativity in writing as well as giving the experience of producing creative and innovative product through project given.

Course: MPU 3312 Entrepreneurship Skills

Synopsis:

This course also provides an understanding of an individual as entrepreneur and the process of creating and growing a new venture. The topics include theory of entrepreneurship, types of entrepreneurship, the importance of entrepreneurship and factors affecting entrepreneurship, entrepreneurship develop in Malaysia, entrepreneurial creativity and innovation, opportunity identification, business plan, business support system and form of business entities and relate legal requirements.

Course: BSA 3246 Design Studio 4

Synopsis:

This subject covers designing of building with multi spaces, multi-function and double storeys which incorporate building technologies, simple site planning and planning for formal and informal public spaces, as well as basic principles of passive design.

Course: BSA 3333 Working Drawings

Synopsis:

The main focus is on submission drawings and construction drawings. This subject covers production of construction drawings, detail drawings and measured drawings according to specific formats.

Course: BSA 3553 Building Services 2

Synopsis:

This course covers basic concepts of electrical lighting, transportation system in building and firefighting system in designing a building. Compliance with Uniform Building By-Law (UBBL) is emphasized.

Year 2 Semester 3

Course: BSA 3816 Professional Internship

Synopsis:

The students are exposed to the ethic of architecture practice and the professional responsibilities of an assistant architect. They will experience the work nature of this profession including planning, designing, preparing presentation drawing, submission drawing, working drawing, daily communication, and etc so as to anticipate their future working environment upon graduation.

Year 3 Semester 1

Course: MPU3412 Co-curriculum

Synopsis:

Students will take part in organizing university's and outside events to gain opportunity of training and learning of specific techniques and skills related to the themes of the events apart from participating in soft skills improvement programs while joining other outdoor sports activities. These will allow students to practice effective

communication skills, both verbally or written, polish managerial skills while becoming leaders and managing events in the university, and cultivate awareness of lifelong learning while exposing to well-diversify of knowledge, skills and techniques.

Course: BSA 3256 Design Studio 5

Synopsis:

Students explore and respond to functional, cultural and environmental, and formulate detailed schematic responses. Students focus on the design of building of medium complexity limited to 3-storeys building with maximum area of 3,000m².

Course: BSA 3433 History and Theory of Architecture 3

Synopsis:

This subject covers the historical elements of Southeast Asia architecture, the factors that influence the characteristics of local architecture such as religion and belief, lifestyles, environment and building technology available in Southeast Asia. It also covers the concepts and characteristics of vernacular and indigenous architecture in Southeast Asia.

Course: BSA 3533 Building Technology 3

Synopsis:

This subject covers various new construction materials and construction methods from conventional system to the latest high technology integrated building system. Emphasis is given to new materials including steel, glass and fabrics.

Course: BSA 3623 Environmental Design

Synopsis:

This subject will provide basic context for the Green Building Index (GBI) and help to understand the breadth and interconnectedness of this wide-ranging field of study. The emphasis of this subject is concentrated on the Malaysia tropical climate, environmental land development context, cultural and social needs.

Year 3 Semester 2

Course: BSA 3268 Comprehensive Design Project

Synopsis:

Students investigate the design of building of medium complexity limited to 4-storeys building without lift and no more than 4,000m². A design project that addresses site planning, culture and environmental determinants will be explored. The studio provides students with the opportunity to apply and develop their creative, planning, and technical and communication skills. Regulation and other statutory influences on design are introduced. Assessment includes a highly resolved design response together with a design portfolio. The unit concludes with a design exhibition of the graduation studio.

Course: BSA 3713 Architectural Practice

Synopsis:

This subject is meant for students to inquire and understand into topics related to architectural business and practice with an emphasis on the role and responsibility of an architect as an ethical professional in the implementation of a project on accordance to the Architects Acts and the related development law.

Year 3 Semester 3

Course: BSA 3826 Professional Internship

Synopsis:

The students are exposed to the ethic of architecture practice and the professional responsibilities of an assistant architect. They will experience the work nature of this profession including planning, designing, preparing presentation drawing, submission drawing, working drawing, daily communication, and etc so as to anticipate their future working environment upon graduation.

Elective Subjects

Course: BSA 3913 Computer Aided Design

Synopsis:

This subject focuses on 3D modelling, composition and rendering with Google SketchUp / Autodesk 3Ds Max.

Course: BSA 3923 Development Planning

Synopsis:

Develop general development planning ideas and site considerations affecting the design of buildings and the organization of the neighborhood. The module encompasses various local acts, codes and statutes related to housing, building and planning arbitration.

Course: BSA 3933 Introduction to Information Technology

Synopsis:

To introduce the history, concepts, recent developments, and effective use of information communication technology (ICT).

Course: BSA 3943 Environmental Psychology

Synopsis:

The field of environmental psychology is vital, diverse, and fascinating. Environmental psychology is the study of transactions between individuals and their physical settings. In these interactions, individuals change the environment and their behaviour and experiences are changed by the environment. The discipline includes research and practice aimed at making building more humane and improving our relationship with the natural environment.

Course: BSA 3953 Photography

Synopsis:

This subject will help the students become well rounded in the fundamentals of digital photography. Four areas of instruction will be emphasized: How cameras work, how composition works, how lighting works, how to use photo editing software.